

ABSTRACT OF THE DISCLOSURE

A rotary valve is provided with an elliptical valve disc that seats against a seal element operatively mounted in an elliptically shaped depression formed in the rigid annular portion of a seal cartridge structure carried by the valve body. Due to the elliptical shapes of the disc and corresponding seating structure, and a conical configuration of the disc periphery, sealing of the valve disc, the integrity of the seal, and the ability of the seal to completely stop the flow of fluid through the valve body are desirably improved. The centering of valve disc relative to the seal cartridge is facilitated by a specially designed disc mounting structure that eliminates any necessity of adjusting the disc along its rotational axis, and a one-piece actuator bracket is removably mounted to the valve body to substantially simplify and reduce the expense of operatively associating an actuator with the valve.